ABSTRACT OF THE DISCLOSURE

A radio reception apparatus and a reception filtering method that effectively cancel interference component from a received signal and improve reception performance. A variable coefficient digital filter 110 changes tap coefficients for optimal filter characteristics and cancels inter-symbol interference. Additionally, the variable coefficient digital filter 110 uses tap coefficients determined by a tap coefficient control section 1124. A filter adjusting section 112 determines the tap coefficients of the variable coefficient digital filter 110 according to the modulation scheme used in the received signal. More specifically, a modulation scheme determining section 1122 estimates the modulation scheme using the known signal patterns included in the received signal, and outputs a modulation scheme selection signal that represents the estimated modulation scheme. Then, a tap coefficient control section 1124 determines optimal tap coefficients for the estimated modulation scheme according to the modulation scheme selection signal output from the modulation scheme determining section 1122.